

TIMELINE: Lower Hackensack River Dissolved Oxygen Impairment

Date	Title	Years Delayed
1976	Basin Plan - Advanced Level 3 Treatment or Hudson River Discharge	na
1984	Facilities Plan – Recommended Outfall be relocated to Hudson River	na
1985	NJDEP Permit: Either Upgrade to Level 3 or Relocate	na
1988	NJDEP set 1988 as the Upgrade / Relocation Completion Date	0
1988	Amended WQ Management Plan – to allow ‘Study’	0
1990	Water Quality Modeling Report	2
1992	Amended Water Quality Modeling Report	4
1998	1998 Stipulation of Settlement between the BCUA and NJDEP	10
2002	BCUA appealed NJPDES permit (BOD, TSS, etc.)	14
2004	2004 Major Modification of NJPDES permit	16
2006	NJDEP contacted BCUA wrt ‘Najarian Model’ for Phase II TMDL	18
2008	Final Stipulation of Partial Settlement Agreement btw NJDEP & BCUA	20
2008	HQI Document “Application of Hackensack –technical memo”	20
2008	Hackensack Nutrient TMDL Meeting @ USEPA-Edison	20
2009	Hackensack River Nutrient TMDL Study – Modeling Workplan	21
2010	Hackensack Model Evaluation Group - Findings	22
2011	BCUA LHR Phase II Nutrient TMDL Study – Update	23
2011	Hackensack River Model Study Evaluation Group (MEG) Report	23
2013	TMDL Study Sampling and Monitoring Report (2010 Data)	25
2017	USEPA Comments to NJDEP regarding wq modeling study	29
2017	NJDEP Agrees to a Model Evaluation Group process (MEG)	29
2019	NJDEP notifies USEPA that have been working unilaterally with BCUA and have abandoned agreement to form a MEG. USEPA has still not received information requested in 2017	31

Lower Hackensack River Nutrient TMDL Study – Document Timeline

Date	Title	File Name
1992	Najarian Associates, 1992. Impact analysis of sewage treatment plant discharges on the water quality of the lower Hackensack River. BCUA, final report submitted 1990; amended June 1992.	
1998	1998 Stipulation of Settlement between the BCUA and NJDEP	
2002	BCUA appealed NJPDES permit (BOD, TSS, etc.)	
2004	2004 Major Modification of NJPDES permit	
2006-10	NJDEP contacted BCUA – regarding ‘Najarian Model’ for Phase II TMDL efforts (i.e. EPA Phase 1 TMDL would continue but limits established would not be required to be met)	
2008-01	Final Stipulation of Partial Settlement Agreement between NJDEP and BCUA	
2008	HQI Document “Application of Hackensack – preview of findings in technical memo”	
2008-11-14	Hackensack Nutrient TMDL Meeting @ USEPA-Edison	Hackensack Nutrient TMDL meeting Nov 14 2008.doc
2009-02-12	Lower Hackensack River Nutrient TMDL Study – Modeling Workplan – Transmittal Letter	Najarian modeling workplan coverletter.pdf
2009-02-13	Lower Hackensack River Nutrient TMDL Study - Modeling Workplan	Najarian modeling workplan.pdf
2009-03-19	Water Quality Sampling & Monitoring Workplan	BCUA LHR Nutrient TMDL Study - Water Quality Sampling and Monitoring Workplan - March 2009.pdf
2009-03-19	Water Quality Sampling & Monitoring Workplan – Transmittal Letter	BCUA LHR Nutrient TMDL Study - Water Quality Sampling and Monitoring Workplan - March 2009 - Cover Letter.pdf
2010-01-07	Hackensack Model Evaluation Group - Findings and Recommendations Resulting from the Monday, May 11, 2009, MEG Meeting	MEGReport.pdf
2010-05-09	Lower Hackensack River Model Evaluation Group—Implications of Missing Data, Summer 2010	LOWERHACKENSACKRIVERMEGboicourtcomments2011.docx
2011-04-19	BCUA LHR Phase II Nutrient TMDL Study – Update	April 2011 Malcolm Pirnie report.pdf
2011-05-09	Status of the Implementation of the BCUA LHR Nutrient Phase II TMDL Study Sampling & Monitoring Workplan	5-9-11 Presentation to MEG Update with Lab Issue.pdf

2011-05-16	Contribution To MEG Report – Chin	Comments-Chin.docx
2011-05-20	Comments on the Proposal for Additional Sampling of the Hackensack River – Peter Hamilton	MEG-Comments-May2011_PH.dot
2011-05-27	Lower Hackensack River Model Study Model Evaluation Group (MEG) Report	Comments&Recs-Final.doc
2013-10-28	Lower Hackensack River Phase II Nutrient TMDL Study Sampling and Monitoring Report (2010 Data)	BCUA Phase II Nutrient TMDL Sampling and Monitoring Report.pdf